Abstract

     The present invention is a peritoneal function testing method characterized by using a ratio $MTAC_{un}/MTAC_c$ calculated

5   using $MTAC_{un}$ and $MTAC_c$ as an index for a peritoneal function test, where $MTAC_{un}$ is an overall mass transfer—area coefficient for urea nitrogen and $MTAC_c$ is an overall mass transfer—area coefficient for creatinine. The use of $MTAC_{un}/_c$ of the present invention in this way enables examination of the future

10   peritoneal function of a patient (a mechanism of deterioration in peritoneal function). To be specific, $MTAC_{un}$ and $MTAC_c$ can be obtained by computing Pyle-Popovich model. In addition, the peritoneal function testing method may further calculate a permeability coefficient for cell pores ($L_P S_C$) and an overall

15   permeability coefficient ($L_P S$) from Three-Pore Theory model while obtaining a ratio $L_P S_C / L_P S$ calculated using the $L_P S_C$ and the $L_P S$, and may use the $L_P S_C / L_P S$ ratio and the $MTAC_{un}/MTAC_c$ ratio as indexes for the peritoneal function test.

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